SUBHIKSHA A

COMPUTER SCIENCE ENGINEERING STUDENT

https://github.com/SubhikshaAandavan

CONTACT

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📍 Dindigul, Tamil Nadu

EDUCATION

2021 - 2025

MEPCO SCLENK ENGINEERING COLLEGE

- Bachelor of Computer Science and Engineering
- Specialization in Cyber Security
- **CGPA : 8.7**
- **Chairperson @ Readers ' Club**

2020 - 2021

HSC

- **HNUPR MAT HR SEC SCHOOL**
- **Percentage : 96**

2018 - 2019

SSLC

- **HNUPR MAT HR SEC SCHOOL**
- **Percentage : 96**

SOFT SKILLS

- Project Management
- Public Relations
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking
- Problem Solving

LANGUAGES

- Tamil
- English
- Hindi

PROFILE

Highly motivated Computer Science Engineering Student in designing, developing, and implementing software solutions. Proven ability to work effectively in a team environment and deliver high-quality code that is maintainable, scalable, and efficient. Eager to contribute technical expertise and problem-solving skills to an innovative company.

CERTIFICATIONS

Advanced Computer Networks	MAY 2024
Personal Finance Management	FEB 2024
Red Hat Certified System Administrator (RHCSA) CERTIFICATION ID: 240-014-662	JAN 2024
Data Mining	APR 2023
Problem Solving Through Programming In C	NOV 2022
Digitization of Attendance Management System Application Development - TCS iON	AUG 2022
Pearson MePro Level 10 Expert	JUL 2022

TECHNICAL SKILLS

- C / C++ / JAVA / PYTHON / MySQL/AWS
- Computer Networks
- **Operating Systems**
- Database Management System
- **Angular JS / .NET / React.js/Node.js**
- **Data Structures and Algorithms**
- **Digital Imaging**
- **AI / ML / DL**
- **Cyber Security**

Red Hat Certified System Administrator

P R O J E C T S

1. B.E CSE Final Year Project | Mepco Schlenk Engineering College | DEEP LEARNING

- Developed an automated deep learning pipeline to detect and classify oral implants in CT images using YOLOv7 for object detection.
- Designed a classification model leveraging SE-ResNet18 and SE-VGG11 architectures enhanced with Squeeze-and-Excitation (SE) blocks and Knowledge Distillation for improved accuracy and lightweight inference.

2. Mail Sending Web Application

Tech Stack: Angular 19, Angular Material, ASP.NET Core Web API, C#, SMTP, HTML, CSS

Description:
Developed a full-stack application to compose and send emails with multiple recipients (To, CC, BCC), subject, and message body. Integrated chip-based recipient input, form validation, and a backend email service using SMTP.

Key Features:
- Angular Material-based UI with MatDialog
- Multi-recipient handling with chips and validation
- RESTful API using ASP.NET Core to send emails via SMTP
- Asynchronous email delivery with real-time feedback

Skills Demonstrated: Angular standalone components, dependency injection, REST API, form validation, async programming

3. Task Management System

Tech Stack: Angular, ASP.NET Core Web API, SQL Server, HTML, CSS, Bootstrap

Description:
Created a task management system to assign, track, and update tasks within a team environment. The system supports CRUD operations, user-role-based access, and real-time status tracking.

Key Features:
- Dashboard to view pending, completed, and in-progress tasks
- Role-based authentication and access control
- Create, update, delete, and assign tasks with due dates
- Backend with ASP.NET Core and Entity Framework for data handling
- Responsive UI and status color indicators

Skills Demonstrated: Angular routing & services, Web API integration, Entity Framework Core, SQL database design, component-based architecture

4. Online Job Management System

Tech Stack: Java , JDBC, SQL, NetBeans, XAMPP (MySQL)

Description:
Built a job portal using Java for frontend interaction and MySQL as backend, allowing users to register, post jobs, and apply online.

Responsibilities:
- Developed GUI using Java Swing
- Connected with MySQL using JDBC
- Managed user authentication, job posting, and applications
- Hosted and tested the app using XAMPP for local backend simulation